

PROJECT MANAGEMENT FOR SOFTWARE DEVELOPMENT

Course number : 115

Overview

Effectively manage your software development efforts by selecting the correct development life cycle, creating realistic plans, and managing a team through each project phase. In this training course, you use a realistic case study to develop ideas, practice key concepts, conduct a kick-off meeting, define successful software projects, analyze projects from a team perspective, and make estimations.

What you'll learn

- Deliver successful software projects that support your organization's strategic goals
- Adjust your management style to reflect the chosen software development life cycle (SDLC)
- Construct a work breakdown structure that addresses real-world management challenges
- Create a network diagram showing task dependencies

Who should attend

Pre-requis

Outline

[Conducting a Project Kick-Off Meeting](#)

The business reasons for the project

- Where the project fits in the business
- How this fit influences your chances of success

The project customers

- Identifying stakeholders and their needs
- Developing strategies to manage involvement

The project objectives

- What success looks like
- Making the team's success visible
- Managing the project to build customer confidence

Balancing Development Needs with Organizational Expectations

Selecting software development life cycle models

- Comparing SDLC models
- How to identify the right model
- Analyzing strengths and weaknesses of Traditional vs. Iterative vs. Agile (e.g., XP, Scrum)

Designing a road map for your project

- Mapping your PM process to your project's SDLC
- Optimizing time, cost, function and quality

Translating Stakeholder Needs into Actions

Structuring content for your software project plan

- Providing initial top-down estimates
- Identifying tasks and phases using a WBS
- Calculating realistic bottom-up estimates
- Sequencing tasks into a network diagram
- Constructing Gantt charts to assess resource needs

Getting the right resources

- Identifying resource needs using your plan
- Delegating work effectively

Reality check for your project plan

- Testing the plan before you begin
- Assessing the project using risk management
- Involving the team in planning
- Building confidence for your plan
- Selling the plan to relevant stakeholders
- Running the Project: Day-to-Day Decisions for Success

Focusing on the project management process

- Putting theory into practice
- Early warning signs

- Building team commitment
- Day-to-day tracking and management
- Measuring progress with milestones
- Defect detection and prevention

Characterizing the software development process

- Analyzing how the SDLC drives deliverables
- Pressures to expect at each stage
- The major stages and how they relate
- Determining the working practices in traditional, iterative and Agile developments that offer the greatest impact

Building successful teams

- Getting technical teams to work collaboratively
- Engaging the team in the planning process
- Empowering team members
- Managing the stages of team development appropriately

Driving the Implementation: Recognizing and Overcoming Challenges

Tracking and control

- Measuring software progress
- Linking progress to success

Implementing change control

- Principles of change control
- The value of configuration management

Controlling risk

- Analyzing project risk
- Changing the risk profile
- Planning for contingency

Closing the Project: Learning from Experience

- Sharpening your project management skills
- Influencing the continuous improvement process of your organization

Schedule

Location Dates Status

Tuition

IN CLASSROOM OR ONLINE PRIVATE TEAM TRAINING

STANDARD \$3895

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FAQ

Certification